

METHOD FOR PREVENTING HIV-1 INFECTION OF CD4<sup>+</sup> CELLS

Abstract of the Disclosure

5 This invention provides methods for inhibiting fusion of  
HIV-1 to CD4<sup>+</sup> cells which comprise contacting CD4<sup>+</sup> cells  
with a non-chemokine agent capable of binding to a  
chemokine receptor in an amount and under conditions such  
10 that fusion of HIV-1 to the CD4<sup>+</sup> cells is inhibited. This  
invention also provides methods for inhibiting HIV-1  
infection of CD4<sup>+</sup> cells which comprise contacting CD4<sup>+</sup>  
cells with a non-chemokine agent capable of binding to a  
chemokine receptor in an amount and under conditions such  
15 that fusion of HIV-1 to the CD4<sup>+</sup> cells is inhibited,  
thereby inhibiting the HIV-1 infection. This invention  
provides non-chemokine agents capable of binding to the  
chemokine receptor and inhibiting fusion of HIV-1 to CD4<sup>+</sup>  
cells. This invention also provides pharmaceutical  
20 compositions comprising an amount of the non-chemokine  
agent capable of binding to the chemokine receptor and  
inhibiting fusion of HIV-1 to CD4<sup>+</sup> cells effective to  
prevent fusion of HIV-1 to CD4<sup>+</sup> cells and a  
pharmaceutically acceptable carrier.